The Ruhr-Universität Bochum is one of Germany’s leading research universities, addressing the whole range of academic disciplines. A highly dynamic setting enables researchers and students to work across the traditional boundaries of academic subjects and faculties. To create knowledge networks within and beyond the university is Ruhr-Universität Bochum’s declared aim.

**PROFESSOR FOR ELECTRONIC PROPERTIES OF SOLIDS (SALARY SCALE W2) (M/F/D)**

The **Department of Physics and Astronomy** at the Ruhr-Universität Bochum invites applications for the position of a tenured full-time Professor for electronic properties of solids (experimental, Salary Scale W2) to start as soon as possible.

The successful candidate is expected to establish a sustainable research program in experimental solid-state physics, in the field of electronic properties of solids. We are seeking a dynamic individual who will carry out vigorous, internationally recognized research on electronic properties and excitations of quantum materials with a focus on the use of spectroscopic techniques such as NMR/NQR, µSR, ARPES, Raman or IR-UV spectroscopy. Materials in bulk and low-dimensional form and a wide range of temperatures, high magnetic fields, strain or pressure are of interest. The future professor should set up innovative in-house experiments and make use of large-scale research facilities.

The research should strengthen our existing research portfolio in the area of solid-state physics and material science. Close collaboration within the Department of Physics and Astronomy, with the Interdisciplinary Centre for Advanced Materials Simulation (ICAMS) and with the Research Center Future Energy Materials and Systems (RC-FEMS) of the Research Alliance Ruhr are expected. Active participation in current and future coordinated research programs is desired. For example, we offer excellent cooperation possibilities within the area of solid-state physics at the Department of Physics and Astronomy (single-crystal synthesis; study of thermodynamic, transport and structural properties; advanced transmission electron microscopy; laser spectroscopy; semiconductor heterostructures and devices; comprehensive solid-state theory), in the Materials Research Department (MRD) or at research facilities of the university such as the Center for Interface-Dominated High Performance Materials (ZGH).

The new professor is expected to contribute proactively to both undergraduate and graduate level teaching, supervision of doctoral students, mentoring of scientific staff and promotion of the diversity of the academic community.

Successful candidates should hold a PhD or equivalent degree in Physics, and possess relevant qualifications in terms of university teaching experience. Positive evaluation as a junior professor or equivalent academic achievements (e.g. Habilitation) or significant post-doctoral research contributions and teaching experience are required as well as the willingness to participate in the self-governing bodies of the Ruhr-Universität Bochum.

**We expect:**
- strong commitment to academic teaching at graduate and undergraduate level;
- readiness to participate in interdisciplinary research;
- ability and proven record to attract external funding;
- readiness to contribute to joint research projects of the department;
- commitment to academic self-administration and willingness to cooperate in the field of public relations and promotion of young researchers.
The Ruhr-Universität Bochum stands for diversity and equal opportunities. For this reason, we favor a working environment composed of heterogeneous teams, and seek to promote the careers of individuals who are underrepresented in our respective professional areas. The Ruhr-Universität Bochum expressly requests job applications from women. In areas in which they are underrepresented they will be given preference in the case of equivalent qualifications with male candidates. Applications from individuals with disabilities are most welcome.

Applications should include curriculum vitae, certificates of academic degrees, list of publications, teaching experiences, list of past and present third-party funding. Applicants are expected to present a concept for innovative research and teaching (in total max. 3 pages). The letter of application should be sent to Dean of the Faculty of Physics and Astronomy (dekanat@physik.rub.de) not later than 30.09.2023.

Further information can be obtained at the website www.physik.ruhr-uni-bochum.de.